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negatives of the region near *Alpha Cygni.* The negatives were made with a 5-inch "Kranz-Aplanat" photographic lens and were exposed:—

No. 1 . . 1 hour; No. 2 . . 3 hours; No. 3 . . $13\frac{1}{10}$ hours.

By accurate counting in certain areas and by estimation from these counts, Dr. WOLF finds the number of stars (approximately) per square degree as follows:—

No. 1 . . 467; No. 2 . . 973; No. 3 . . 1770;

and the whole number of stars shown on the 1000 square degrees covered by the plates:—

No. 1 . . 52,000; No. 2 . . 108,000; No. 3 . . 197,000.

The maps of ARGELANDER'S *Durchmusterung* show in this 1000 square degrees about 3500 stars. Dr. WOLF concludes that his longest exposed plate shows 15th magnitude stars. Plates with 1 hour's exposure show stars of 11.5 visual magnitude; with 2 hours' exposure, 13.5 magnitude, and with 6 hours' exposure, 14 magnitude. E. S. H.

RESIGNATION OF MR. S. W. BURNHAM AS ASTRONOMER OF THE LICK OBSERVATORY.

Mr. BURNHAM has resigned his position as Astronomer in the Lick Observatory and has accepted that of Clerk of the United States District and Circuit Courts at Chicago—a very honorable and a very lucrative appointment. Mr. BURNHAM'S resignation was presented to the Regents of the University at their meeting of June 14 and the following resolution was adopted by them.

"*Resolved*, That in accepting the resignation of Professor BURNHAM the Regents desire to express their high appreciation of his astronomical work at the Lick Observatory and their regret at his leaving, as his invaluable services will not only be lost to the Lick Observatory, but as we understand, to astronomical science."

Mr. BURNHAM leaves behind him a very large number of observations of double stars all prepared for the press which will appear as Volume II of the (quarto) Publications of the Lick Observatory. E. S. H.